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**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**

Declaration Submitted with Initial Filing      OR       Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)

Attorney Docket Number	1626-1116
First Named Inventor	Dancu, Michael B.
<b>COMPLETE IF KNOWN</b>	
Application Number	
Filing Date	
Art Unit	
Examiner Name	

As the below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original and first inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**SYSTEM AND METHOD TO SIMULATE HEMODYNAMICS**

*(Title of the Invention)*

the specification of which

is attached hereto

OR

was filed on (MM/DD/YYYY)    as United States Application Number or PCT International

Application Number    and was amended on (MM/DD/YYYY)    (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached? YES	Certified Copy Attached? NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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**DECLARATION — Utility or Design Patent Application**

Direct all correspondence to:  Customer Number  
or Bar Code Label  OR  Correspondence address below

Mitchell P. Novick, Esq.

Name

Law Offices Of Mitchell P. Novick

Address 66 Park Street

City	West Orange	New Jersey	ZIP
Country	United States	973-744-5150	973-744-2227

Telephone

Fax

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that those statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR :		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Inventor's Signature			Date
Ringwood	New Jersey	U.S.A.	United States
Residence: City	State	Country	Citizenship
18 Edward Drive			
Mailing Address			
Ringwood		New Jersey	07456
City	State	ZIP	United States
NAME OF SECOND INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Inventor's Signature			Date
State College	Pennsylvania	U.S.A.	United States
Residence: City	State	Country	Citizenship
526 Glenn Road			
Mailing Address			
State College		Pennsylvania	16803
City	State	ZIP	United States
<input type="checkbox"/> Additional Inventors are being named on the _____ supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.			

Please type a plus sign (+) inside this box →

PTO/SB/81 (02-01)

Approved for use through 10/31/2002. OMB 0651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**POWER OF ATTORNEY OR  
AUTHORIZATION OF AGENT**

Application Number	
Filing Date	
First Named Inventor	DANCU, Michael B.
Title	System And Method To Simulate Hemodynamic
Group Art Unit	CS
Examiner Name	
Attorney Docket Number	

I hereby appoint:

Practitioners at Customer Number

Place Customer  
Number Bar Code  
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OR

Practitioner(s) named below:

Name	Registration Number
Mitchell P. Novick, Esq.	3G,305

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

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Firm or  
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Address

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07042

Country

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Telephone

973/744-5150

Fax

973/744-2227

I am the:

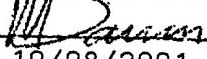
Applicant/Inventor.

Assignee of record of the entire interest. See 37 CFR 3.71.

Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

**SIGNATURE of Applicant or Assignee of Record**

Name MICHAEL B. DANCU

Signature 

Date 10/08/2001

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

Total of 2 forms are submitted.

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PTO/SB/61 (02-01)

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## POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

Application Number	
Filing Date	
First Named Inventor	DANCU, Michael B.
Title	System And Method To Simulate Hemodynamics
Group Art Unit	
Examiner Name	
Attorney Docket Number	

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Practitioner(s) named below:

Name	Registration Number
Mitchell P. Novick, Esq.	50,505

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

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OR

Firm or  
Individual Name

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973/744-5150

Fax

973/744-2227

I am the:

Applicant/Inventor.

Assignee of record of the entire interest. See 37 CFR 3.71.

Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

### SIGNATURE of Applicant or Assignee of Record

Name JOHN M. TARBELL

Signature John M Tarbell

Date 10/08/2001

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

Total of 2 forms are submitted.

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ASSIGNMENT OF APPLICATION

WHEREAS, we, MICHAEL B. DANCU of Ringwood, New Jersey and JOHN M. TARBELL of State College, Pennsylvania, have invented certain new and useful Improvements in SYSTEM AND METHOD TO SIMULATE HEMODYNAMICS

- ( ) for which an application for United States Letters Patent was filed on \_\_\_\_\_, Serial No. \_\_\_\_\_;
- (x) for which an application for United States Letters Patent was executed on October 8, 2001;

and

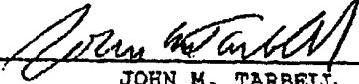
WHEREAS, VICTOR KRSTEC, of Wayne, New Jersey, whose post office address is 85 McDonald Avenue, Wayne, New Jersey 07470, is desirous of acquiring the entire right, title, and interest in the same;

NOW, THEREFORE, in consideration of the sum of one dollar (\$1.00), the receipt of which is hereby acknowledged, and other good and valuable consideration, we, the said MICHAEL B. DANCU and JOHN M. TARBELL, by these presents do sell, assign, and transfer unto said VICTOR KRSTEC the full and exclusive right to the said invention in the United States and worldwide the entire right, title, and interest in and to any and all Letters Patent which may be granted therefor in the United States and all other patents which may be granted therefor worldwide.

We hereby authorize and request the United States Commissioner of Patents and Trademarks and all other appropriate authorities worldwide to issue said patents to said VICTOR KRSTEC, as the assignee of the entire right, title, and interest in and to the same, for its sole use and behoof; and for the use and behoof of its legal representatives, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me had this assignment and sale not been made.

Executed this 8th day of October, 2001 at State College, PA.

  
MICHAEL B. DANCU

  
JOHN M. TARBELL

COMMONWEALTH OF PENNSYLVANIA)  
} ss.:  
COUNTY OF \_\_\_\_\_)

Before me personally appeared said \_\_\_\_\_ and  
\_\_\_\_\_  
and acknowledged the foregoing instrument to be their  
free act and deed this \_\_\_\_\_ day of October, 2001.